



Ifw

**PATENT**

Attorney Docket No. 33931/US/DJB

Dorsey File No. 465377-01124

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

BORDUNOV *et al.*

Serial No.: 10/778,007

Filing Date: February 11, 2004

For: *Polymer Substrate Coated with Weak  
Cationic-Exchange Functional Layer*

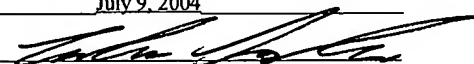
Examiner: Not Yet Assigned

Art Unit: 1753

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

Dated: July 9, 2004

Signed:   
Luke Szymanski

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. In accordance with 1273 Off. Gaz. Pat. Off. 1, 8/5/2003, no copies of U.S. patents and U.S. published applications are enclosed. Copies of all other references are provided.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application.

Serial No.: 10/778,007  
Filing Date: February 11, 2004

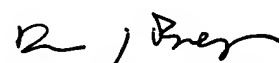
Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required. While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 465377-01124 (33931/US/DJB)).

If there are any questions with regard to the foregoing, please call applicant's attorney at 415-781-1989.

Respectfully submitted,  
DORSEY & WHITNEY LLP

Dated: 7/8/04  
Customer Number: 32940  
Dorsey & Whitney LLP  
Four Embarcadero Center, Suite 3400  
San Francisco, CA 94111-4187  
Telephone: (415) 781-1989  
Facsimile: (415) 398-3249

By:   
David J. Brezner, Reg. No. 24,774

Attachments: PTO/SB-8A/B, Substitute for form PTO-1449  
4 cited references  
Return postcard



<b>Substitute for form 1449A/PTO (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/778,007
				Filing Date	February 11, 2004
				First Named Inventor	Andrei V. Bordunov
				Art Unit	1753
				Examiner Name	Not yet assigned
Sheet	1	of	1	Attorney Docket Number	33931/US/DJB (465377-01124)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,792,331	08-11-1998	Srinivasan et al.	
	A2	5,968,363	10-19-1999	Riviello et al.	
	A3	6,074,541	06-13-2000	Srinivasan et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1					

NON PATENT LITERATURE DOCUMENTS					T <sup>6</sup>
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C1	Farrall, M. et al., "Bromination and Lithiation: Two Important Steps in the Functionalization of Polystyrene Resins," <i>J. Org. Chem.</i> , 41(24), 3877-3882, (Jun. 1976).			
	C2	Yang, R. et al., "Maleic acid-styrene encapsulated silica cation exchanger in high performance liquid chromatography," <i>Talanta</i> , 55, 1091-1096, (2001).			
	C3	Kolla, P. et al., "Polymer-Coated Cation-Exchange Stationary Phases on Basis of Silica," <i>Chromatographica</i> , 23(7), 465-472, (Jul. 1987).			
	C4	Nair, L. et al., "Simultaneous separation of alkali and alkaline-earth cations on polybutadiene-maleic acid-coated stationary phase by mineral acid eluents," <i>J. Chromatography</i> , 640, 41-48, (1993).			

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.  
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.